

WBS No: 1DAE01  
Activity ID: 1DE0000001

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

WBS No:	1DAE01	Title:	B776 Material Stewardship									
Activity ID:	1DE0000001	Description:	FY-00 B776/777 Waste Management Operations									
				Cost Risk		2	Schedule Risk		3			
Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
M08	SNM Site Inventories	1.00	each	EE	400	400	8,482	3,400	0	11,882	4,139	16,021
M09	SNM Facility Specific Inventory	1.00	each	EE	200	200	4,241	1,700	0	5,941	2,070	8,010
WOA	Manage B776/777 Accumulation Areas	1.00	each	EE	7,695	7,695	171,549	52,260	0	223,809	83,716	307,524
WOI	Integration, Coordination TRU Waste Tech Spt	1.00	each	EE	1,360	1,360	54,182	125,800	0	179,982	26,441	206,423
WOR	Manage B776/777 Res feed Ops	1.00	each	EE	1,260	1,260	28,789	58,500	0	87,289	14,049	101,338
WQS	Manage B776/777 SCO/IP2 Transfers/PAD	1.00	each	EE	5,021	5,021	109,843	128,920	0	238,763	53,785	292,548
WOT	Manage B776/777 Drum Transfers	1.00	each	EE	6,391	6,391	147,961	0	0	147,961	72,205	220,166
Total for Activity 1DE0000001:						22,327	525,047	370,580	0	895,627	256,404	1,152,031

**Line Item M08 - SNM Site Inventories**

BOE	Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.  Item Desc - Semi Annual mandatory site inventories of SNM (June/December).  One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Tech Support											
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units	
	750	STRAIGHT TIME BASE		M010	FOREMEN / TEAM LEADS / GROUP		R100S	RMRS Salaried	Linear	40.00	Hours
	Factors	1	Foreman	40		Hours					
	750	STRAIGHT TIME BASE		T050	RADIATION CONTROL TECHNOLOGI		KD10H	776 Complex Steelworkers	Linear	40.00	Hours
	Factors	1	RCT	40		Hours					
	750	STRAIGHT TIME BASE		T060	D&D HAZ REDUC TECH / RISK RED		KD10H	776 Complex Steelworkers	Linear	320.00	Hours
	Factors	8	D&D Workers	40		Hours					
	A5H	SUBCONTRACTED SRVS		E080	NUCLEAR (CRITICALITY) ENGINEER		K399S	Building 776 Project	Linear	3,400.00	Dollars
	Factors	1	Tech Support	40		Hours		85	\$'s/Hour		

**Line Item M09 - SNM Facility Specific Inventory**

BOE	Historical Data Source - The historical data is from the FY99 SNM Inventory  Item Desc - Semi Annual Facility Specific Inventories of SNM.  One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Crit Engineer											
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units		
	750	STRAIGHT TIME BASE		M010	FOREMEN / TEAM LEADS / GROUP		R100S	RMRS Salaried		Linear	20.00	Hours
	Factors	1	Foreman	20		Hours						
	750	STRAIGHT TIME BASE		T050	RADIATION CONTROL TECHNOLOGI		KD10H	776 Complex Steelworkers		Linear	20.00	Hours
	Factors	1	RCT	20		Hours						
	750	STRAIGHT TIME BASE		T060	D&D HAZ REDUC TECH / RISK RED		KD10H	776 Complex Steelworkers		Linear	160.00	Hours
	Factors	8	D&D Workers	20		Hours						
	A5H	SUBCONTRACTED SRVS		E080	NUCLEAR (CRITICALITY) ENGINEER		K399S	Building 776 Project		Linear	1,700.00	Dollars
	Factors	1	Engineer	20		Hours		85	\$'/Hour			

**Line Item WOA - Manage B776/777 Accumulation Areas**

BOE	Management of the 4 waste accumulation areas will be conducted by a dedicated waste operations crew consisting of a Foreman, 8 D&D workers, 2 RCTs and a Technical Support Administrator.  These crews will be on an AWS, 12-hour per day schedule.											
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	R100S	RMRS Salaried	Linear	625.00	Hours
	Factors	1	Technical Support Essig	625	Hours				

WBS No: 1DAE01  
Activity ID: 1DE000001

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline Devl  
1DAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	1,250.00	Hours
Factors	2	RCTs	625	Hours Each				
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	5,000.00	Hours
Factors	8	D&D Workers	625	Hours each				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	164.00	Hours
Factors	82	Working Davs 5/22-9/30	1	hours/day OT	2	RCTs		
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	656.00	Hours
Factors	82	Working Davs 5/22-9/30	1	hours/day OT	8	D&D Workers		
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	37,500.00	Dollars
Factors	1	Foreman Schmiechen	625	Hours each	60	dollars per hour		
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	14,760.00	Dollars
Factors	82	Working Davs 5/22-9/30	3	hours/day OT	1	Foreman	60	dollars per hour

**Line Item WOI - Integration, Coordination TRU Waste Tech Spt**

**BOE** Waste Operations Integration and coordination will be conducted by A Waste Operations Lead, a Waste Operations Coordinator, a material movement scheduler and a technical support administrator.

Resources	Cost Element			Skill		Department		Curve	Quantity	Units		
	750	STRAIGHT TIME BASE		M020	MANAGERS (GRADE 69 - 72)		K399S	Building 776 Project		Linear	680.00	Hours
Factors	680	Hours Waste Operations Lead Ferrari										
750	STRAIGHT TIME BASE		P170	OTHER ADMINISTRATIVE & PROFE		R100S	RMRS Salaried		Linear	680.00	Hours	
Factors	1	RMRS Material Movement Scheduler		680	Hours							
A5H	SUBCONTRACTED SRVS		M020	MANAGERS (GRADE 69 - 72)		K399S	Building 776 Project		Linear	57,800.00	Dollars	
Factors	1	Integration Coordinator (open)		680	Hours		85	Dollars per hour				
A5H	SUBCONTRACTED SRVS		P170	OTHER ADMINISTRATIVE & PROFE		K399S	Building 776 Project		Linear	68,000.00	Dollars	
Factors	1	Technical Support West		680	Hours		100	Dollars/hour				

**Line Item WOR - Manage B776/777 Res feed Ops**

**BOE** Management of the residue feed drums will be conducted by a dedicated waste operations crew consisting of a Foreman, 4 D&D workers, 2 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	160.00	Hours
Factors	1	Foreman TBD	160	Hours each					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers		Linear	320.00	Hours
Factors	2	RCTs	160	Hours Each					
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers		Linear	640.00	Hours
Factors	4	D&D Workers	160	Hours each					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried		Linear	20.00	Hours
Factors	1	Foreman	20	davs	1	Hrs OT/day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers		Linear	40.00	Hours
Factors	2	RCTs	20	davs	1	Hrs OT/day			
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers		Linear	80.00	Hours
Factors	4	D&D Workers	20	davs	1	Hrs OT/day			
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project		Linear	58,500.00	Dollars
Factors	1	Tech Spt (Utrecht) Chew & Assoc	650	Hours	90	Dollars/hour			

**Line Item WOS - Manage B776/777 SCO/IP2 Transfers/PAD**

**BOE** Management of SCO containers and the 779 Pad will be conducted by a dedicated waste operations crew consisting of a Foreman, 6 D&D workers, 1 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE		L050	MISSION SUP SPEC I (CBLFAB.DSP.	K777C	Construction	Linear	72.00	Hours
	Factors	1	K-H Const Heavy Equip Operator	4	months	2	days per month	9	hours per day	

WBS No: 1DAE01  
Activity ID: 1DE000001

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline Devl  
1DAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	625.00	Hours
Factors	1 RCTs		625 Hours Each					
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	3,750.00	Hours
Factors	6 D&D Workers (2 on Pad. 2 forklift and		625 Hours each					
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	82.00	Hours
Factors	1 RCTs		82 days		1 hours/dav OT			
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	492.00	Hours
Factors	6 D&D Workers (2 on Pad. 2 forklift and		82 days		1 hours OT/dav			
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Proiect	Linear	54,400.00	Dollars
Factors	1 Duratek Foreman (Davidson)		680 Hours each		80 dollars per hour			
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Proiect	Linear	58,320.00	Dollars
Factors	1 Technical Support (TBD)		729 Hours		80 Dollars/hour			
A5L	RENTALS	0000	NONE	K777S	Construction I	Linear	16,200.00	Dollars
Factors	1 Crane		225 per hour (Andy Geraouski)		2 days per month		9 hours	
	4 months							

**Line Item WOT - Manage B776/777 Drum Transfers**

BOE Drum transfer will be managed with a dedicated crew consisting of a Foreman, 6 D&D workers, 1 RCT and a Technical Support Administrator.

**Resources**

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	680.00	Hours
Factors	1 RMRS Foreman (Watson)		680 Hours each					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	R100S	RMRS Salaried	Linear	680.00	Hours
Factors	1 Tech Support (Geer)		680					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	625.00	Hours
Factors	1 RCTs		625 Hours Each					
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	3,750.00	Hours
Factors	6 D&D Workers		625 Hours each					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	82.00	Hours
Factors	1 RMRS Foreman (Watson)		82 days		1 hours OT per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	82.00	Hours
Factors	1 RCTs		82 days		1 hours OT per day			
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	492.00	Hours
Factors	6 D&D Workers		82 days		1 hours OT per day			

Activity ID: 1DE0010000 Description: FY-01 B776/777 Waste Management Operations

Cost Risk 2 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
M08	SNM Site Inventories	2.00	each	EE	400	800	16,963	6,800	0	23,763	8,091	31,855
M09	SNM Facility Specific Inventory	2.00	each	EE	200	400	8,482	3,400	0	11,882	4,046	15,927
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	207,317	207,317	0	207,317
WOA	Manage B776/777 Accumulation Areas	1.00	each	EE	16,410	16,410	397,497	148,500	0	545,997	189,606	735,603
WOI	Integration, Coordination TRU Waste Tech Sot	1.00	each	EE	3,600	3,600	143,424	333,000	0	476,424	68,413	544,837
WOR	Manage B776/777 Res feed Ops	1.00	each	EE	16,929	16,929	420,238	162,000	0	582,238	200,453	782,691
WOS	Manage B776/777 SCO/IP2 Transfers/PAD	1.00	each	EE	17,051	17,051	407,216	390,600	0	797,816	194,829	992,645
WOT	Manage B776/777 Drum Transfers	1.00	each	EE	21,110	21,110	523,452	0	0	523,452	249,687	773,138
Total for Activity 1DE0010000:						76,300	1,917,271	1,044,300	207,317	3,168,888	915,126	4,084,013

**Line Item M08 - SNM Site Inventories**

BOE Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.

Item Desc - Semi Annual mandatory site inventories of SNM (June/December).

One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Tech Support

**Resources**

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1DAE01  
Activity ID: 1DE0010000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline Devl  
1DAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	40.00	Hours
Factors	1	Foreman	40	Hours				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	40.00	Hours
Factors	1	RCT	40	Hours				
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	320.00	Hours
Factors	8	D&D Workers	40	Hours				
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K399S	Building 776 Project	Linear	3,400.00	Dollars
Factors	1	Tech Support	40	Hours	85 \$'s/Hour			

**Line Item M09 - SNM Facility Specific Inventory**

BOE

Historical Data Source - The historical data is from the FY99 SNM Inventory

Item Desc - Semi Annual Facility Specific Inventories of SNM.

One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Crit Engineer

Resources

Cost Element			Skill		Department		Curve	Quantity	Units	
750	STRAIGHT TIME BASE		M010	FOREMEN / TEAM LEADS / GROUP		R100S	RMRS Salaried	Linear	20.00	Hours
Factors	1	Foreman	20		Hours					
750	STRAIGHT TIME BASE		T050	RADIATION CONTROL TECHNOLOGI		KD10H	776 Complex Steelworkers	Linear	20.00	Hours
Factors	1	RCT	20		Hours					
750	STRAIGHT TIME BASE		T060	D&D HAZ REDUC TECH / RISK RED		KD10H	776 Complex Steelworkers	Linear	160.00	Hours
Factors	8	D&D Workers	20		Hours					
A5H	SUBCONTRACTED SRVS		E080	NUCLEAR (CRITICALITY) ENGINEER		K399S	Building 776 Project	Linear	1,700.00	Dollars
Factors	1	Engineer	20		Hours		85	\$'s/Hour		

**Line Item SYS - Contingency And Escalation**

BOE

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	125,798.60	Dollars
Factors	125799 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	81,518.26	Dollars
Factors	81518.3 Dollars							

**Line Item WOA - Manage B776/777 Accumulation Areas**

BOE

Management of the 4 waste accumulation areas will be conducted by a dedicated waste operations crew consisting of a Foreman, 8 D&D workers, 2 RCTs and a Technical Support Administrator.

These crews will be on an AWS, 12-hour per day schedule.

Resources

Cost Element			Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE		P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1,800.00	Hours
Factors	1	Technical Support Essio	1800 Hours						
750	STRAIGHT TIME BASE		T050	RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	3,520.00	Hours
Factors	2	RCTs	1760 Hours Each						
750	STRAIGHT TIME BASE		T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	7,040.00	Hours
Factors	4	D&D Workers	1760 Hours each						
751	OVERTIME BASE & PRE.		T050	RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	1,350.00	Hours
Factors	225	Working Days	3	hours/day OT	2	RCTs			
751	OVERTIME BASE & PRE.		T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	2,700.00	Hours
Factors	225	Working Days	3	hours/day OT	4	D&D Workers			
A5H	SUBCONTRACTED SRVS		M010	FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear	40,500.00	Dollars
Factors	225	Working Days	3	hours/day OT	1	Foreman	60 dollars per hour		
A5H	SUBCONTRACTED SRVS		M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	108,000.00	Dollars
Factors	1	Foreman Schmiechen	1800 Hours each		60	Dollars per hour			

**Line Item WOI - Integration, Coordination TRU Waste Tech Spt**

BOE

Waste Operations Integration and coordination will be conducted by A Waste Operations Lead, a Waste Operations Coordinator, a material movement scheduler and

WBS No: 1DAE01  
Activity ID: 1DE0010000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

a technical support administrator.

**Resources**

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	K399S Building 776 Project	Linear	1.800.00	Hours
Factors 1800 Hours Waste Operations Lead Ferrari					
750 STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	R100S RMRS Salaried	Linear	1.800.00	Hours
Factors 1 RMRS Material Movement Scheduler	1800 Hours				
A5H SUBCONTRACTED SRVS	M020 MANAGERS (GRADE 69 - 72)	K399S Building 776 Project	Linear	153.000.00	Dollars
Factors 1 Integration Coordinator (TBD)	1800 Hours	85 Dollars per hour			
A5H SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S Building 776 Project	Linear	180.000.00	Dollars
Factors 1 Technical Support West	1800 Hours	100 Dollars/hour			

**Line Item WOR - Manage B776/777 Res feed Ops**

**BOE**

Management of the residue feed drums will be conducted by a dedicated waste operations crew consisting of a Foreman, 4 D&D workers, 2 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

**Resources**

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	1.824.00	Hours
Factors 1 Foreman TBD	1824 Hours each				
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KD10H 776 Complex Steelworkers	Linear	3.460.00	Hours
Factors 2 RCTs	1730 Hours Each				
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	6.920.00	Hours
Factors 4 D&D Workers	1730 Hours each				
751 OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	675.00	Hours
Factors 1 Foreman	225 days	3 Hrs OT/day			
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KD10H 776 Complex Steelworkers	Linear	1.350.00	Hours
Factors 2 RCTs	225 days	3 Hrs OT/day			
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	2.700.00	Hours
Factors 4 D&D Workers	225 days	3 Hrs OT/day			
A5H SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S Building 776 Project	Linear	162.000.00	Dollars
Factors 1 Tech Spt (Utrecht) Chew & Assoc	1800 Hours	90 Dollars/hour			

**Line Item WOS - Manage B776/777 SCO/IP2 Transfers/PAD**

**BOE**

Management of SCO containers and the 779 Pad will be conducted by a dedicated waste operations crew consisting of a Foreman, 6 D&D workers, 1 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

**Resources**

Cost Element	Skill	Department	Curve	Quantity	Units
750 STRAIGHT TIME BASE	L050 MISSION SUP SPEC I./CBLFAB.DSP.	K777C Construction	Linear	216.00	Hours
Factors 1 K-H Const Heavy Equip Operator	12 months	2 days per month	9 hours per day		
750 STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KD10H 776 Complex Steelworkers	Linear	1.730.00	Hours
Factors 1 RCTs	1730 Hours Each				
750 STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	10.380.00	Hours
Factors 6 D&D Workers (2 on Pad, 2 forklift and	1730 Hours each				
751 OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KD10H 776 Complex Steelworkers	Linear	675.00	Hours
Factors 1 RCTs	225 days	3 hours/day OT			
751 OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	4.050.00	Hours
Factors 6 D&D Workers (2 on Pad, 2 forklift and	225 days	3 hours OT/day			
A5H SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	144.000.00	Dollars
Factors 1 Duratek Foreman (Davidson)	1800 Hours each	80 dollars per hour			
A5H SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	54.000.00	Dollars
Factors 1 Duratek Foreman (Davidson)	225 days	3 hours OT/day	80 dollars per hour		
A5H SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S Building 776 Project	Linear	144.000.00	Dollars
Factors 1 Technical Support (TBD)	1800 Hours	80 Dollars/hour			

WBS No: 1DAE01  
Activity ID: 1DE0010000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

A5L	RENTALS	0000	NONE	K77TS	Construction I	Linear	48,600.00	Dollars
Factors	1 Crane 12 months	225	per hour (Andy Geraouski)	2	days per month	9	hours	

**Line Item WOT - Manage B776/777 Drum Transfers**

**BOE** Drum transfer will be managed with a dedicated crew consisting of a Foreman, 6 D&D workers, 1 RCT and a Technical Support Administrator.

**Resources**

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	1,800.00	Hours
Factors	1 RMRS Foreman (Watson)	1800	Hours each					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFF	R100S	RMRS Salaried	Linear	1,800.00	Hours
Factors	1 Tech Support (Geer)	1800	hours					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	1,730.00	Hours
Factors	1 RCTs	1730	Hours Each					
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	10,380.00	Hours
Factors	6 D&D Workers	1730	Hours each					
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	675.00	Hours
Factors	1 RMRS Foreman (Watson)	225	days	3	hours OT per day			
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	675.00	Hours
Factors	1 RCTs	225	days	3	hours OT per day			
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	4,050.00	Hours
Factors	6 D&D Workers	225	days	3	hours OT per day			

**Activity ID: 1DE0020000** Description: FY-02 B776/777 Waste Management Operations

Cost Risk 2 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
M08	SNM Site Inventories	2.00	each	EE	400	800	16,963	6,800	0	23,763	5,988	29,751
M09	SNM Facility Specific Inventory	2.00	each	EE	200	400	8,482	3,400	0	11,882	2,994	14,876
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	549,814	549,814	0	549,814
WOA	Manage B776/777 Accumulation Areas	1.00	each	EE	16,410	16,410	397,497	148,500	0	545,997	140,316	686,313
WOI	Integration, Coordination TRU Waste Tech Sot	1.00	each	EE	3,600	3,600	143,424	333,000	0	476,424	50,629	527,053
WOR	Manage B776/777 Res feed Ops	1.00	each	EE	16,985	16,985	421,445	162,000	0	583,445	148,770	732,215
WOS	Manage B776/777 SCO/IP2 Transfers/PAD	1.00	each	EE	17,051	17,051	407,216	390,600	0	797,816	144,827	942,643
WOT	Manage B776/777 Drum Transfers	1.00	each	EE	21,110	21,110	523,452	0	0	523,452	184,778	708,230
Total for Activity 1DE0020000:						76,356	1,918,478	1,044,300	549,814	3,512,593	678,303	4,190,895

**Line Item M08 - SNM Site Inventories**

**BOE** Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.

Item Desc - Semi Annual mandatory site inventories of SNM (June/December).

One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Tech Support

**Resources**

	Cost Element		Skill		Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	40.00	Hours
Factors	1 Foreman	40	Hours					
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	40.00	Hours
Factors	1 RCT	40	Hours					
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	320.00	Hours
Factors	8 D&D Workers	40	Hours					
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K399S	Building 776 Project	Linear	3,400.00	Dollars
Factors	1 Tech Support	40	Hours	85	\$'s/Hour			

**Line Item M09 - SNM Facility Specific Inventory**

**BOE** Historical Data Source - The historical data is from the FY99 SNM Inventory

Item Desc - Semi Annual Facility Specific Inventories of SNM.



WBS No: 1DAE01  
Activity ID: 1DE0020000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Crit Engineer

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750		STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	20.00	Hours
Factors	1	Foreman	20 Hours					
750		STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	20.00	Hours
Factors	1	RCT	20 Hours					
750		STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	160.00	Hours
Factors	8	D&D Workers	20 Hours					
A5H		SUBCONTRACTED SRVS	E080 NUCLEAR (CRITICALITY) ENGINEER	K399S	Building 776 Project	Linear	1.700.00	Dollars
Factors	1	Engineer	20 Hours	85	\$'s/Hour			

**Line Item SYS - Contingency And Escalation**

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
CON		CONTINGENCY	0000 NONE	ZDEPT	No Department	Linear	379.661.30	Dollars
Factors	379661	Dollars						
ESC		ESCALATION	0000 NONE	ZDEPT	No Department	Linear	170.153.00	Dollars
Factors	170153	Dollars						

**Line Item WOA - Manage B776/777 Accumulation Areas**

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
CON		CONTINGENCY	0000 NONE	ZDEPT	No Department	Linear	379.661.30	Dollars
Factors	379661	Dollars						
ESC		ESCALATION	0000 NONE	ZDEPT	No Department	Linear	170.153.00	Dollars
Factors	170153	Dollars						

BOE Management of the 4 waste accumulation areas will be conducted by a dedicated waste operations crew consisting of a Foreman, 8 D&D workers, 2 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750		STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1.800.00	Hours
Factors	1	Technical Support Essia	1800 Hours					
750		STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	3.520.00	Hours
Factors	2	RCTs	1760 Hours Each					
750		STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	7.040.00	Hours
Factors	4	D&D Workers	1760 Hours each					
751		OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear	1.350.00	Hours
Factors	225	Working Days	3 hours/dav OT	2	RCTs			
751		OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	2.700.00	Hours
Factors	225	Working Days	3 hours/dav OT	4	D&D Workers			
A5H		SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear	40.500.00	Dollars
Factors	225	Working Days	3 hours/dav OT	1	Foreman	60 dollars per hour		
A5H		SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	108.000.00	Dollars
Factors	1	Foreman Schmiechen	1800 Hours each	60	Dollars per hour			

**Line Item WOI - Integration, Coordination TRU Waste Tech Spt**

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750		STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	K399S	Building 776 Project	Linear	1.800.00	Hours
Factors	1800	Hours Waste Operations Lead Ferrari						
750		STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	R100S	RMRS Salaried	Linear	1.800.00	Hours
Factors	1	RMRS Material Movement Scheduler	1800 Hours					
A5H		SUBCONTRACTED SRVS	M020 MANAGERS (GRADE 69 - 72)	K399S	Building 776 Project	Linear	153.000.00	Dollars
Factors	1	Integration Coordinator (TBD)	1800 Hours	85	Dollars per hour			
A5H		SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project	Linear	180.000.00	Dollars
Factors	1	Technical Support West	1800 Hours	100	Dollars/hour			

WBS No: 1DAE01  
Activity ID: 1DE0020000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

**Line Item WOR - Manage B776/777 Res feed Ops**

**BOE** Management of the residue feed drums will be conducted by a dedicated waste operations crew consisting of a Foreman, 4 D&D workers, 2 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	1.832.00	Hours
Factors	1	Foreman	1832 Hours each				
	750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	3.476.00	Hours
Factors	2	RCTs	1738 Hours Each				
	750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	6.952.00	Hours
Factors	4	D&D Workers	1738 Hours each				
	751	OVERTIME BASE & PRE.	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	675.00	Hours
Factors	1	Foreman	225 days	3 Hrs OT/day			
	751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	1.350.00	Hours
Factors	2	RCTs	225 days	3 Hrs OT/day			
	751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	2.700.00	Hours
Factors	4	D&D Workers	225 days	3 Hrs OT/day			
	A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S Building 776 Project	Linear	162.000.00	Dollars
Factors	1	Tech Spt (Utrecht) Chew & Assoc	1800 Hours	90 Dollars/hour			

**Line Item WOS - Manage B776/777 SCO/IP2 Transfers/PAD**

**BOE** Management of SCO containers and the 779 Pad will be conducted by a dedicated waste operations crew consisting of a Foreman, 6 D&D workers, 1 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I (CBLFAB.DSP.	K777C Construction	Linear	216.00	Hours
Factors	1	K-H Const Heavv Equip Operator	12 months	2 days per month	9 hours per day		
	750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	1.730.00	Hours
Factors	1	RCTs	1730 Hours Each				
	750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	10.380.00	Hours
Factors	6	D&D Workers (2 on Pad. 2 forklift	1730 Hours each				
	751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	675.00	Hours
Factors	1	RCTs	225 days	3 hours/dav OT			
	751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	4.050.00	Hours
Factors	6	D&D Workers (2 on Pad. 2 forklift and	225 days	3 hours OT/day			
	A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	144.000.00	Dollars
Factors	1	Duratek Foreman (Davidson)	1800 Hours each	80 dollars per hour			
	A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	54.000.00	Dollars
Factors	1	Duratek Foreman (Davidson)	225 days	3 hours OT/day	80 dollars per hour		
	A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S Building 776 Project	Linear	144.000.00	Dollars
Factors	1	Technical Support (TBD)	1800 Hours	80 Dollars/hour			
	A5L	RENTALS	0000 NONE	K777S Construction I	Linear	48.600.00	Dollars
Factors	1	Crane	225 per hour (Andy Gergouski)	2 days per month	9 hours		
	12	months					

**Line Item WOT - Manage B776/777 Drum Transfers**

**BOE** Drum transfer will be managed with a dedicated crew consisting of a Foreman, 6 D&D workers, 1 RCT and a Technical Support Administrator.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	1.800.00	Hours
Factors	1	RMRS Foreman (Watson)	1800 Hours each				
	750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	R100S RMRS Salaried	Linear	1.800.00	Hours
Factors	1	Tech Support (Geer)	1800 hours				



WBS No: 1DAE01  
Activity ID: 1DE0020000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
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Activity Filter  
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\*

Starts In FY \*

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	1,730.00	Hours
Factors	1	RCTs	1730	Hours Each				
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	10,380.00	Hours
Factors	6	D&D Workers	1730	Hours each				
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	675.00	Hours
Factors	1	RMRS Foreman (Watson)	225	days	3	hours OT per day		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	675.00	Hours
Factors	1	RCTs	225	days	3	hours OT per day		
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	4,050.00	Hours
Factors	6	D&D Workers	225	days	3	hours OT per day		

Activity ID: 1DE0030000 Description: FY-03 B776/777 Waste Management Operations

Cost Risk 2 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
M08	SNM Site Inventories	2.00	each	EE	400	800	16,963	6,800	0	23,763	5,869	29,632
M09	SNM Facility Specific Inventory	2.00	each	EE	200	400	8,482	3,400	0	11,882	2,935	14,816
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,015.457	1,015.457	0	1,015.457
WOA	Manage B776/777 Accumulation Areas	1.00	each	EE	16,410	16,410	397,497	148,500	0	545,997	137,534	683,531
WOI	Integration, Coordination TRU Waste Tech Spt	1.00	each	EE	3,600	3,600	143,424	333,000	0	476,424	49,625	526,049
WOR	Manage B776/777 Res feed Ops	1.00	each	EE	16,937	16,937	420,458	162,000	0	582,458	145,479	727,937
WQS	Manage B776/777 SCO/IP2 Transfers/PAD	1.00	each	EE	17,051	17,051	407,216	390,600	0	797,816	142,004	939,820
WOT	Manage B776/777 Drum Transfers	1.00	each	EE	21,110	21,110	523,452	0	0	523,452	181,114	704,566
Total for Activity 1DE0030000:						76,308	1,917,492	1,044,300	1,015.457	3,977,249	664,560	4,641,809

**Line Item M08 - SNM Site Inventories**

BOE	Historical Data Source - The historical data is from the FY98 actual costs for technical support activity. These costs have been factored to the line item level based on FY99 line item to total technical support quotients. The detailed factoring spreadsheet can be found in B776/777 FY99 Project Summary Document - Rev 0.
	Item Desc - Semi Annual mandatory site inventories of SNM (June/December).
	One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Tech Support

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	40.00	Hours
Factors	1	Foreman	40	Hours		
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	40.00	Hours
Factors	1	RCT	40	Hours		
750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	320.00	Hours
Factors	8	D&D Workers	40	Hours		
A5H	SUBCONTRACTED SRVS	E080 NUCLEAR (CRITICALITY) ENGINEER	K399S Building 776 Project	Linear	3,400.00	Dollars
Factors	1	Tech Support	40	Hours		
			85	\$/s/Hour		

**Line Item M09 - SNM Facility Specific Inventory**

BOE	Historical Data Source - The historical data is from the FY99 SNM Inventory
	Item Desc - Semi Annual Facility Specific Inventories of SNM.
	One weeks time for 8 D&D workers, 1 RCT, 1 foreman and one Crit Engineer

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	20.00	Hours
Factors	1	Foreman	20	Hours		
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	20.00	Hours
Factors	1	RCT	20	Hours		
750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	160.00	Hours
Factors	8	D&D Workers	20	Hours		

WBS No: 1DAE01  
Activity ID: 1DE0030000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
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Activity Filter  
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Starts In FY \*

A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K399S	Building 776 Project	Linear	1,700.00	Dollars
Factors	1	Engineer	20	Hours	85	\$'s/Hour		

**Line Item SYS - Contingency And Escalation**

**BOE**

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	737.369.40	Dollars
Factors	737369	Dollars						
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	278.087.70	Dollars
Factors	278088	Dollars						

**Line Item WOA - Manage B776/777 Accumulation Areas**

**BOE**

Management of the 4 waste accumulation areas will be conducted by a dedicated waste operations crew consisting of a Foreman, 8 D&D workers, 2 RCTs and a Technical Support Administrator.

These crews will be on an AWS, 12-hour per day schedule.

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	S100S	SSOC Salaried	Linear	1,800.00	Hours
Factors	1	Technical Support Essia	1800	Hours				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	3,520.00	Hours
Factors	2	RCTs	1760	Hours Each				
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	7,040.00	Hours
Factors	4	D&D Workers	1760	Hours each				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	1,350.00	Hours
Factors	225	Working Days	3	hours/day OT	2	RCTs		
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	2,700.00	Hours
Factors	225	Working Days	3	hours/day OT	4	D&D Workers		
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear	40,500.00	Dollars
Factors	225	Working Days	3	hours/day OT	1	Foreman	60	dollars per hour
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	108,000.00	Dollars
Factors	1	Foreman Schmiechen	1800	Hours each	60	Dollars per hour		

**Line Item WOI - Integration, Coordination TRU Waste Tech Spt**

**BOE**

Waste Operations Integration and coordination will be conducted by A Waste Operations Lead, a Waste Operations Coordinator, a material movement scheduler and a technical support administrator.

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K399S	Building 776 Project	Linear	1,800.00	Hours
Factors	1800	Hours	Waste Operations Lead Ferrari					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	R100S	RMRS Salaried	Linear	1,800.00	Hours
Factors	1	RMRS Material Movement Scheduler	1800	Hours				
A5H	SUBCONTRACTED SRVS	M020	MANAGERS (GRADE 69 - 72)	K399S	Building 776 Project	Linear	153,000.00	Dollars
Factors	1	Integration Coordinator (TBD)	1800	Hours	85	Dollars per hour		
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project	Linear	180,000.00	Dollars
Factors	1	Technical Support West	1800	Hours	100	Dollars/hour		

**Line Item WOR - Manage B776/777 Res feed Ops**

**BOE**

Management of the residue feed drums will be conducted by a dedicated waste operations crew consisting of a Foreman, 4 D&D workers, 2 RCTs and a Technical Support Administrator.

These crews will be on an AWS, 12-hour per day schedule.

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	1,832.00	Hours
Factors	1	Foreman	1832	Hours each				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	3,460.00	Hours
Factors	2	RCTs	1730	Hours Each				

WBS No: 1DAE01  
Activity ID: 1DE0030000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
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Activity Filter  
Baseline Devl  
1DAE  
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Starts In FY \*

750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	6,920.00	Hours
Factors	4	D&D Workers	1730	Hours each				
751	OVERTIME BASE & PRE.	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	675.00	Hours
Factors	1	Foreman	225	days	3	Hrs OT/day		
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	1,350.00	Hours
Factors	2	RCTs	225	days	3	Hrs OT/day		
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	2,700.00	Hours
Factors	4	D&D Workers	225	days	3	Hrs OT/day		
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project	Linear	162,000.00	Dollars
Factors	1	Tech Spt (Utrecht) Chew & Assoc	1800	Hours	90	Dollars/hour		

**Line Item WOS - Manage B776/777 SCO/IP2 Transfers/PAD**

**BOE**

Management of SCO containers and the 779 Pad will be conducted by a dedicated waste operations crew consisting of a Foreman, 6 D&D workers, 1 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

**Resources**

Cost Element			Skill		Department		Curve	Quantity	Units		
750	STRAIGHT TIME BASE		L050	MISSION SUP SPEC I (CBLFAB.DSP.		K777C	Construction	Linear	216.00	Hours	
Factors	1	K-H Const Heavv Equip Operator		12	months		2	days per month		9	hours per day
750	STRAIGHT TIME BASE		T050	RADIATION CONTROL TECHNOLIGI		KD10H	776 Complex Steelworkers	Linear	1,730.00	Hours	
Factors	1	RCTs		1730	Hours Each						
750	STRAIGHT TIME BASE		T060	D&D HAZ REDUC TECH / RISK RED		KD10H	776 Complex Steelworkers	Linear	10,380.00	Hours	
Factors	6	D&D Workers (2 on Pad, 2 forklift and		1730	Hours each						
751	OVERTIME BASE & PRE.		T050	RADIATION CONTROL TECHNOLIGI		KD10H	776 Complex Steelworkers	Linear	675.00	Hours	
Factors	1	RCTs		225	days		3	hours/day OT			
751	OVERTIME BASE & PRE.		T060	D&D HAZ REDUC TECH / RISK RED		KD10H	776 Complex Steelworkers	Linear	4,050.00	Hours	
Factors	6	D&D Workers (2 on Pad, 2 forklift and		225	days		3	hours OT/day			
A5H	SUBCONTRACTED SRVS		M010	FOREMEN / TEAM LEADS / GROUP		K399S	Building 776 Project	Linear	144,000.00	Dollars	
Factors	1	Duratek Foreman (Davidson)		1800	Hours each		80	dollars per hour			
A5H	SUBCONTRACTED SRVS		M010	FOREMEN / TEAM LEADS / GROUP		K399S	Building 776 Project	Linear	54,000.00	Dollars	
Factors	1	Duratek Foreman (Davidson)		225	days		3	hours OT/day		80	dollars per hour
A5H	SUBCONTRACTED SRVS		P170	OTHER ADMINISTRATIVE & PROFE		K399S	Building 776 Project	Linear	144,000.00	Dollars	
Factors	1	Technical Support (TBD)		1800	Hours		80	Dollars/hour			
A5L	RENTALS		0000	NONE		K777S	Construction I	Linear	48,600.00	Dollars	
Factors	1	Crane		225	per hour (Andy Gergouski)		2	days per month		9	hours
	12	months									

**Line Item WOT - Manage B776/777 Drum Transfers**

**BOE**

Drum transfer will be managed with a dedicated crew consisting of a Foreman, 6 D&D workers, 1 RCT and a Technical Support Administrator.

**Resources**

Cost Element			Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE		M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	1,800.00	Hours
Factors	1	RMRS Foreman (Watson)		1800	Hours each				
750	STRAIGHT TIME BASE		P170	OTHER ADMINISTRATIVE & PROFE	R100S	RMRS Salaried	Linear	1,800.00	Hours
Factors	1	Tech Support (Geer)		1800	hours				
750	STRAIGHT TIME BASE		T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	1,730.00	Hours
Factors	1	RCTs		1730	Hours Each				
750	STRAIGHT TIME BASE		T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	10,380.00	Hours
Factors	6	D&D Workers		1730	Hours each				
751	OVERTIME BASE & PRE.		M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	675.00	Hours
Factors	1	RMRS Foreman (Watson)		225	days		3	hours OT per day	
751	OVERTIME BASE & PRE.		T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	675.00	Hours
Factors	1	RCTs		225	days		3	hours OT per day	
751	OVERTIME BASE & PRE.		T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	4,050.00	Hours
Factors	6	D&D Workers		225	days		3	hours OT per day	

Activity ID: 1DE0040000 Description: FY-04 B776/777 Waste Management Operations

Cost Risk 2 Schedule Risk 3

WBS No: 1DAE01  
Activity ID: 1DE0040000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	300.559	300.559	0	300.559
WOA	Manage B776/777 Accumulation Areas	1.00	each	EE	16.410	16.410	397.497	148.500	0	545.997	112.094	658.091
WOI	Integration, Coordination TRU Waste Tech Spt	1.00	each	EE	3.600	3.600	143.424	333.000	0	476.424	40.446	516.870
WQS	Manage B776/777 SCO/IP2 Transfers/PAD	1.00	each	EE	17.051	17.051	407.216	390.600	0	797.816	116.197	914.012
Total for Activity 1DE0040000:						37.061	948.137	872.100	300.559	2,120.795	268.736	2,389.532

**Line Item SYS - Contingency And Escalation**

**BOE**

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	CON CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	99.983.38	Dollars
Factors	99983.4 Dollars					
	ESC ESCALATION	0000 NONE	ZDEPT No Department	Linear	200.575.40	Dollars
Factors	200575 Dollars					

**Line Item WOA - Manage B776/777 Accumulation Areas**

**BOE**

Management of the 4 waste accumulation areas will be conducted by a dedicated waste operations crew consisting of a Foreman, 8 D&D workers, 2 RCTs and a Technical Support Administrator.  
  
These crews will be on an AWS, 12-hour per day schedule.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	S100S SSOC Salaried	Linear	1.800.00	Hours
Factors	1 Technical Support Essio 1800 Hours					
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	3.520.00	Hours
Factors	2 RCTs 1760 Hours Each					
750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	7.040.00	Hours
Factors	4 D&D Workers 1760 Hours each					
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	1.350.00	Hours
Factors	225 Working Davs 3 hours/dav OT 2 RCTs					
751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	2.700.00	Hours
Factors	225 Working Davs 3 hours/dav OT 4 D&D Workers					
A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	40.500.00	Dollars
Factors	225 Working Davs 3 hours/dav OT 1 Foreman 60 dollars per hour					
A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	R100S RMRS Salaried	Linear	108.000.00	Dollars
Factors	1 Foreman Schmiechen 1800 Hours each 60 Dollars per hour					

**Line Item WOI - Integration, Coordination TRU Waste Tech Spt**

**BOE**

Waste Operations Integration and coordination will be conducted by A Waste Operations Lead, a Waste Operations Coordinator, a material movement scheduler and a technical support administrator.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	K399S Building 776 Project	Linear	1.800.00	Hours
Factors	1800 Hours Waste Operations Lead Ferrari					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	R100S RMRS Salaried	Linear	1.800.00	Hours
Factors	1 RMRS Material Movement Scheduler 1800 Hours					
A5H	SUBCONTRACTED SRVS	M020 MANAGERS (GRADE 69 - 72)	K399S Building 776 Project	Linear	153.000.00	Dollars
Factors	1 Integration Coordinator (TBD) 1800 Hours 85 Dollars per hour					
A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S Building 776 Project	Linear	180.000.00	Dollars
Factors	1 Technical Support West 1800 Hours 100 Dollars/hour					

**Line Item WOS - Manage B776/777 SCO/IP2 Transfers/PAD**

**BOE**

Management of SCO containers and the 779 Pad will be conducted by a dedicated waste operations crew consisting of a Foreman, 6 D&D workers, 1 RCTs and a Technical Support Administrator.  
  
These crews will be on an AWS, 12-hour per day schedule.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1DAE01  
Activity ID: 1DE0040000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline Devl  
WBS Filter 1DAE  
Activity Filter \*

Starts In FY \*

750	STRAIGHT TIME BASE	L050	MISSION SUP SPEC I (CBLFAB.DSP.	K777C	Construction	Linear	216.00	Hours
Factors	1	K-H Const Heavv Equip Operator	12	months	2	days per month	9	hours per day
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	1,730.00	Hours
Factors	1	RCTs	1730	Hours Each				
750	STRAIGHT TIME BASE	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	10,380.00	Hours
Factors	6	D&D Workers (2 on Pad. 2 forklift and	1730	Hours each				
751	OVERTIME BASE & PRE.	T050	RADIATION CONTROL TECHNOLIGI	KD10H	776 Complex Steelworkers	Linear	675.00	Hours
Factors	1	RCTs	225	days	3	hours/dav OT		
751	OVERTIME BASE & PRE.	T060	D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear	4,050.00	Hours
Factors	6	D&D Workers (2 on Pad. 2 forklift and	225	days	3	hours OT/dav		
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear	144,000.00	Dollars
Factors	1	Duratek Foreman (Davidson)	1800	Hours each	80	dollars per hour		
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear	54,000.00	Dollars
Factors	1	Duratek Foreman (Davidson)	225	days	3	hours OT/dav	80	dollars per hour
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project	Linear	144,000.00	Dollars
Factors	1	Technical Support (TBD)	1800	Hours	80	Dollars/hour		
A5L	RENTALS	0000	NONE	K777S	Construction I	Linear	48,600.00	Dollars
Factors	1	Crane	225	per hour (Andy Geraouski)	2	days per month	9	hours
	12	months						

Activity ID: 1DXXX04000 Description: FY-05 B776/777 Waste Management Operations

Cost Risk 2 Schedule Risk 3

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	1,080,212	1,080,212	0	1,080,212
WOA	Manage B776/777 Accumulation Areas	1.00	each	EE	16,410	16,410	397,497	148,500	0	545,997	138,329	684,326
WOI	Integration, Coordination TRU Waste Tech Spt	1.00	each	EE	3,600	3,600	143,424	333,000	0	476,424	49,912	526,336
WOS	Manage B776/777 SCO/IP2 Transfers/PAD	1.00	each	EE	17,051	17,051	407,216	390,600	0	797,816	142,811	940,626
Total for Activity 1DXXX04000:						37,061	948,137	872,100	1,080,212	2,900,448	331,051	3,231,500

**Line Item SYS - Contingency And Escalation**

**BOE**

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	746,304.10	Dollars
Factors	746304	Dollars				
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	333,907.80	Dollars
Factors	333908	Dollars				

**Line Item WOA - Manage B776/777 Accumulation Areas**

**BOE**

Management of the 4 waste accumulation areas will be conducted by a dedicated waste operations crew consisting of a Foreman, 8 D&D workers, 2 RCTs and a Technical Support Administrator.

These crews will be on an AWS, 12-hour per day schedule.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	S100S SSOC Salaried	Linear	1,800.00	Hours
Factors	1	Technical Support Essia	1800	Hours		
750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	3,520.00	Hours
Factors	2	RCTs	1760	Hours Each		
750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	7,040.00	Hours
Factors	4	D&D Workers	1760	Hours each		
751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLIGI	KD10H 776 Complex Steelworkers	Linear	1,350.00	Hours
Factors	225	Working Davs	3	hours/dav OT	2	RCTs
751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H 776 Complex Steelworkers	Linear	2,700.00	Hours
Factors	225	Working Davs	3	hours/dav OT	4	D&D Workers
A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S Building 776 Project	Linear	40,500.00	Dollars
Factors	225	Working Davs	3	hours/dav OT	1	Foreman
					60	dollars per hour

WBS No: 1DAE01  
Activity ID: 1DXXX04000

**Rockv Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline Devl  
1DAE  
\*

Starts In FY \*

A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	R100S	RMRS Salaried	Linear	108.000.00	Dollars
Factors	1	Foreman Schmiechen	1800	Hours each	60	Dollars per hour		

**Line Item WOI - Integration, Coordination TRU Waste Tech Spt**

**BOE** Waste Operations Integration and coordination will be conducted by A Waste Operations Lead, a Waste Operations Coordinator, a material movement scheduler and a technical support administrator.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M020 MANAGERS (GRADE 69 - 72)	K399S	Building 776 Project	Linear 1.800.00 Hours
Factors	1800	Hours Waste Operations Lead Ferrari				
	750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	R100S	RMRS Salaried	Linear 1.800.00 Hours
Factors	1	RMRS Material Movement Scheduler	1800	Hours		
	A5H	SUBCONTRACTED SRVS	M020 MANAGERS (GRADE 69 - 72)	K399S	Building 776 Project	Linear 153.000.00 Dollars
Factors	1	Integration Coordinator (TBD)	1800	Hours	85	Dollars per hour
	A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project	Linear 180.000.00 Dollars
Factors	1	Technical Support West	1800	Hours	100	Dollars/hour

**Line Item WOS - Manage B776/777 SCO/IP2 Transfers/PAD**

**BOE** Management of SCO containers and the 779 Pad will be conducted by a dedicated waste operations crew consisting of a Foreman, 6 D&D workers, 1 RCTs and a Technical Support Administrator.  
These crews will be on an AWS, 12-hour per day schedule.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	L050 MISSION SUP SPEC I / CBL FAB DSP	K777C	Construction	Linear 216.00 Hours
Factors	1	K-H Const Heavy Equip Operator	12	months	2	days per month
	750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear 1.730.00 Hours
Factors	1	RCTs	1730	Hours Each		
	750	STRAIGHT TIME BASE	T060 D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear 10.380.00 Hours
Factors	6	D&D Workers (2 on Pad, 2 forklift and	1730	Hours each		
	751	OVERTIME BASE & PRE.	T050 RADIATION CONTROL TECHNOLOGI	KD10H	776 Complex Steelworkers	Linear 675.00 Hours
Factors	1	RCTs	225	days	3	hours/day OT
	751	OVERTIME BASE & PRE.	T060 D&D HAZ REDUC TECH / RISK RED	KD10H	776 Complex Steelworkers	Linear 4.050.00 Hours
Factors	6	D&D Workers (2 on Pad, 2 forklift and	225	days	3	hours OT/day
	A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear 144.000.00 Dollars
Factors	1	Duratek Foreman (Davidson)	1800	Hours each	80	dollars per hour
	A5H	SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	K399S	Building 776 Project	Linear 54.000.00 Dollars
Factors	1	Duratek Foreman (Davidson)	225	days	3	hours OT/day
	A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K399S	Building 776 Project	Linear 144.000.00 Dollars
Factors	1	Technical Support (TBD)	1800	Hours	80	Dollars/hour
	A5L	RENTALS	0000 NONE	K777S	Construction I	Linear 48.600.00 Dollars
Factors	1	Crane	225	per hour (Andy Geraouski)	2	days per month
	12	months			9	hours

**Report Totals:**

Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
325.413	8,174.561	5,247.680	3,153.359	16,575.600	3,114.180	19,689.780